

ABSTRACT OF THE DISCLOSURE

The present invention pertains to an epoxy-functional organopolysiloxane resin, and an epoxy-functional organopolysiloxane coating composition comprising the epoxy-functional organopolysiloxane resin. The epoxy-functional organopolysiloxane coating composition comprises the epoxy-functional organopolysiloxane resin of the present invention and a hardener. The epoxy-functional organopolysiloxane coating composition may optionally include pigments, a flow additive and a catalyst. The epoxy-functional organopolysiloxane resin is preferably prepared by reacting a silicone resin with a silane having at least one epoxy group per molecule. The coating composition cures through the crosslinking of the epoxy groups of the resin to provide a coating which is weather and corrosion resistant. The polysiloxane moieties in the resin render the cured coating resistant to U.V. light and heat.